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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/656,202	TANIGUCHI ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Alexander G. Ghya	2812	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**  
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_.

2. ☒ The allowed claim(s) is/are 1-10 and 24.

ALEXANDER GHYKA  
 PRIMARY EXAMINER

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☒ All b) ☐ Some\* c) ☐ None of the:

1. ☒ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

Av 2812  
*Alex Ghya*

\* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Paper No./Mail Date \_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- 1. ☒ Notice of References Cited (PTO-892)
- 2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
 Paper No./Mail Date \_\_\_\_
- 4. ☐ Examiner's Comment Regarding Requirement for Deposit  
 of Biological Material

- 5. ☐ Notice of Informal Patent Application (PTO-152)
- 6. ☐ Interview Summary (PTO-413),  
 Paper No./Mail Date \_\_\_\_
- 7. ☒ Examiner's Amendment/Comment
- 8. ☒ Examiner's Statement of Reasons for Allowance
- 9. ☐ Other \_\_\_\_

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mardson McQuay on September 1, 2005.

The application has been amended as follows:

**Cancel Claims 11-23 and 25-26.**

### ***Reasons for Allowance***

The following is an examiner's statement of reasons for allowance: The closest prior art known to the Examiner is listed on the attached PTO 892 and IDS forms. The cited references fail to anticipate or make obvious a crystallization apparatus which comprises a phase shifter which includes first and second regions disposed to form a straight boundary and transmitting the illumination light from said illumination system by a first phase retardation therebetween, and phase modulates the illumination light to provide a light intensity distribution having an inverse peak pattern that light intensity falls in a zone of said non-single-crystal semiconductor film containing an axis corresponding to said boundary; and phase shifter further including a small region which extends into at least one of said first and second regions from said boundary and transmits the illumination light from the illumination system by a second phase

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retardation with respect to said at least one of said first and second regions among the other limitations, as required by the presently claimed invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander G. Ghyka whose telephone number is (571) 272-1669. The examiner can normally be reached on Monday through Thursday during general business hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Lebentritt can be reached on (571) 272-1873. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AGG  
September 1, 2005

ALEXANDER GHYKA  
PRIMARY EXAMINER

AV 2812  
*Alex Ghysa*